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TEST REPORT					
Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. N LOKANATH REDDY				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	**12.5 mm down size**		**Proposed Use**	Concrete (Road)	
Sample Location	Plant		**Date of Sampling**	11-11-19	
			Date of Testing	11-11-19	
IS Sieve Size (in mm)	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
20.0	0	0	0	100	**100**
12.5	596	596	5.96	94.04	**90-100**
10.0	3366	3962	39.62	60.38	**40-85**
4.75	5501	9463	94.63	5.37	**0-10**
Pan	537	10000			
Remarks :		✓ Satisfactory / Not Satisfactory			

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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Consultant's Representative

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TEST REPORT					
Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. N LOKANATH REDDY				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	20 mm down size		**Proposed Use**	Concrete	
Sample Location	At Plant		**Date of Sampling**	11-11-19	
			Date of Testing	11-11-19	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	**100**
20.00 mm	280	280	2.80	97.20	**95 - 100**
10.00 mm	4785	5065	50.65	49.35	**25 - 55**
4.75 mm	4362	9427	94.27	5.73	**0 - 10**
Pan	573	10000			
Remarks :	✓ Satisfactory / Not Satisfactory				

Consultant's Representative

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

TEJUS
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TEST REPORT					
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE				
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. N LOKANATH REDDY				
SPECIFIC GRAVITY AND WATER ABSORPTION FINE AGGREGATE (IS-2386-PART-3)					
Type of Material	**Sand/M sand**		**Proposed Use**	Concrete	
Location/Source	**At Plant/site**		**Date of Sampling**	11-11-19	
Period of Soaking	**24 hours**		**Date of Testing**	11-11-19	

Sl. No.	Test Property		TRIAL - 1			Average
A	Weight of sturated surface dry sample gm.		670	650	682	
B	Weight of oven - dry sample gm.		661	642	674	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1700	1685	1700	
E	Bulk specific gravity	B	2.698	2.675	2.623	**2.665**
		(C + A - D)				
G	Absorption (%)	(A - B) *100	1.362	1.246	1.187	**1.265**
		B				

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Assistant Executive Engineer,
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Bangalore.

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TEST REPORT	
Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. N LOKANATH REDDY

SIEVE ANALYSIS

Total Weight:	**3000**	gms			
Type of Material	**Fine aggregate (River Sand/M sand)**		**Proposed Use**	Concrete	
Sample Location	At Plant/site		**Date of Sampling**	11-11-19	
			Date of Testing	11-11-19	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing (Zone-II)**
10.00 mm	0	0	0	100.00	**100**
4.75 mm	231	231	7.70	92.30	**90 - 100**
2.36 mm	281	512	17.07	82.93	**75 - 100**
1.18 mm	521	1033	34.43	65.57	**55 - 90**
0.600 mm	548	1581	52.70	47.30	**35 -59**
0.300 mm	666	2247	74.90	25.10	**8-30**
0.150 mm	515	2762	92.07	7.93	**0 - 10**
Pan	238	3000			**-**

Remarks : Satisfactory / Not Satisfactory

Consultant's Representative

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Test report on Compressive strength of concrete cubes								
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .							
Client	Bruhat Bangalore Mahanagar Palike							
Consultant	TEJUS CONSULTANTS							
Contractor	Sri. N LOKANATH REDDY							
Grade of concrete:	M20							
Size of cube:	150x150x150 mm							
Reference IS code:	IS:516-1959							
Sl.No.	**Date of Casting**	**Date of testing**	**Age of Test**	**Weight of Cube**	**Area of Cube**	**Failure load**	**Compressive strength**	**Avg. Compressive strength**
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	11-11-19	18-11-19	7 days	8.591	22500	298	13.24	13.32
2	11-11-19	18-11-19	7 days	8.585	22500	301	13.38	
3	11-11-19	18-11-19	7 days	8.560	22500	300	13.33	

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Test report on Compressive strength of concrete cubes								
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .							
Client	Bruhat Bangalore Mahanagar Palike							
Consultant	TEJUS CONSULTANTS							
Contractor	Sri. N LOKANATH REDDY							
Grade of concrete:	M20							
Size of cube:	150x150x150 mm							
Reference IS code:	IS:516-1959							
Sl.No.	**Date of Casting**	**Date of testing**	**Age of Test**	**Weight of Cube**	**Area of Cube**	**Failure load**	**Compressive strength**	**Avg. Compressive strength**
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	11-11-19	09-12-19	28 days	8.820	22500	457	20.31	20.41
2	11-11-19	09-12-19	28 days	8.825	22500	460	20.44	
3	11-11-19	09-12-19	28 days	8.300	22500	461	20.49	

Assistant Executive Engineer,
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Test Report on Cement				
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .			
Client	Bruhat Bangalore Mahanagar Palike			
Consultant	TEJUS CONSULTANTS			
Contractor	Sri. N. LOKANATH REDDY			
Sample ID	Cement			
Date of Sample Tested	14-11-19			
Sample Supplied By	Agency			
Sl.No.	**Descriptions**	**Test Method as per IS**	**Test Result**	**Requirements as per IS: 12269-1987**
1	a) Initial Setting Time	IS-4031 (Part-5)	44 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	390 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	

Consultant Representative

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Bangalore.

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TEST REPORT					
Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. N LOKANATH REDDY				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	**12.5 mm down size**		**Proposed Use**	Concrete (Drain)	
Sample Location	Plant		**Date of Sampling**	14-11-19	
			Date of Testing	14-11-19	
IS Sieve Size (in mm)	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
20.0	0	0	0	100	**100**
12.5	598	598	5.98	94.02	**90-100**
10.0	3370	3968	39.68	60.32	**40-85**
4.75	5520	9488	94.88	5.12	**0-10**
Pan	512	10000			
Remarks :	✓ Satisfactory / Not Satisfactory				

A.N.D

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TEST REPORT					
Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. N LOKANATH REDDY				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	20 mm down size		**Proposed Use**	Concrete	
Sample Location	At Plant		**Date of Sampling**	14-11-19	
			Date of Testing	14-11-19	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	**100**
20.00 mm	290	290	2.90	97.10	**95 - 100**
10.00 mm	4795	5085	50.85	49.15	**25 - 55**
4.75 mm	4370	9455	94.55	5.45	**0 - 10**
Pan	545	10000			
Remarks :	✓ Satisfactory / Not Satisfactory				

A.N.D

Assistant Executive Engineer
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Bangalore.

Consultant's Representative

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TEST REPORT	
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. N LOKANATH REDDY

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	**Sand/M sand**	**Proposed Use**	Concrete
Location/Source	**At Plant/site**	**Date of Sampling**	14-11-19
Period of Soaking	**24 hours**	**Date of Testing**	14-11-19

Sl. No.	Test Property		TRIAL - 1			Average
A	Weight of sturated surface dry sample gm.		670	670	670	
B	Weight of oven - dry sample gm.		661	661	661	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1685	1685	1685	
E	Bulk specific gravity	B	2.542	2.542	2.542	**2.542**
		(C + A - D)				
G	Absorption (%)	(A - B) *100	1.362	1.362	1.362	**1.362**
		B				

Assistant Executive Engineer
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TEST REPORT					
Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. N LOKANATH REDDY				
SIEVE ANALYSIS					
Total Weight:	**3000**	gms			
Type of Material	**Fine aggregate (River Sand/M sand)**		**Proposed Use**	Concrete	
Sample Location	At Plant/site		**Date of Sampling**	14-11-19	
			Date of Testing	14-11-19	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing (Zone-II)**
10.00 mm	0	0	0	100.00	**100**
4.75 mm	242	242	8.07	91.93	**90 - 100**
2.36 mm	283	525	17.50	82.50	**75 - 100**
1.18 mm	530	1055	35.17	64.83	**55 - 90**
0.600 mm	552	1607	53.57	46.43	**35 -59**
0.300 mm	672	2279	75.97	24.03	**8-30**
0.150 mm	510	2789	92.97	7.03	**0 - 10**
Pan	211	3000			-
Remarks :	✓ Satisfactory / Not Satisfactory				

Consultant's Representative

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

TEJUS
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Test report on Compressive strength of concrete cubes	
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. N LOKANATH REDDY
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	14-11-19	21-11-19	7 days	8.528	22500	299	13.29	13.50
2	14-11-19	21-11-19	7 days	8.584	22500	310	13.78	
3	14-11-19	21-11-19	7 days	8.560	22500	302	13.42	

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Test report on Compressive strength of concrete cubes

Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. N LOKANATH REDDY
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	14-11-19	12-12-19	28 days	8.820	22500	458	20.36	20.49
2	14-11-19	12-12-19	28 days	8.825	22500	462	20.53	
3	14-11-19	12-12-19	28 days	8.300	22500	463	20.58	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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Test Report on Compressive strength of Solid Block							
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .						
Client	Bruhat Bangalore Mahanagar Palike						
Consultant	TEJUS CONSULTANTS						
Contractor	Sri. N LOKANATH REDDY						
Cross sectional area	60000mm2						
Size of cube	400mm x 150mm x 200mm						
No. of Block Tested	1						
Reference IS code:	IS:2185 (Part 1)- 2005						
Sl.No.	**Date of Sampling**	**Date of testing**	**Area of Cube**	**Failure load**	**Compressive strength**	**Obtained Average compressive strength**	**Minimum Required compressive strength of individual units**
			mm^2	KN	N/mm^2	N/mm^2	N/mm^2
1	18-11-19	19-11-19	60000	323.00	5.38	5.42	5.00
2	18-11-19	19-11-19	60000	324.00	5.40		
3	18-11-19	19-11-19	60000	329.00	5.48		

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.

Authorised Signatory

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

TEJUS
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TEST REPORT					
Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. N LOKANATH REDDY				
Total Weight in gr	3000				
SIEVE ANALYSIS					
Type of Material	40 mm down size			**Proposed Use**	For Drain (PCC)
Sample Location	At Site			**Date of Sampling**	26-11-19
				Date of Testing	26-11-19
IS Sieve Size	**Weight Retained in gm**	**Cum. Weight Retained in gm**	**Cumulative Weight Retained in %**	**Cumulative Weight Passing in %**	**Specific Limits as per IS 383-1970 (RA-2007)**
					% of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	116	116	3.87	96.13	95-100
20.00mm	1552	1668	55.60	44.40	30-70
10.00mm	642	2310	77.00	23.00	10-35
4.75mm	600	2910	97.00	3.00	0-5
Pan	90	3000	100.00	0.00	
Remarks :	✓ Satisfactory / Not Satisfactory				

Consultant's Representative

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, G.B.M.P.
Bangalore.